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By MC2 Victoria Ochoa

NPS Department of Applied Mathematics Research Professor Arthur Krener has been presented with the Institute of Electrical and Electronics Engineers (IEEE) Control Systems Award for 2016, recognizing his career of outstanding contributions in control systems engineering, science and technology.

"It is a great honor to receive the 2016 IEEE Control Systems Award, I am deeply humbled to join the very distinguished group of prior winners," said Krener. "But in addition to these winners, there are so many other people in our community whose work I have admired for years, and to be singled out among this larger group is a great honor."

IEEE Technical Field Awards are awarded for contributions or leadership in specific fields of interest to the organization. Through its awards program, IEEE advances the interests of its members by recognizing their contributions in advancing the fields of interest to IEEE and to the benefit of society.

"Throughout a long and distinguished career, Dr. Krener has made seminal and myriad contributions to the development of methods for the control and estimation of nonlinear dynamical systems and stochastic processes," noted IEEE past president Howard Michel. "When we speak of 'giants' in our profession, we speak of individuals like Dr. Krener."

"This is a lifetime achievement award," Krener said. "I believe that my three major accomplishments are the theory of controllability and observability for nonlinear, the high order maximum principle of optimal control, and the theory of disturbance decoupling for nonlinear systems."

Krener shared advice from his many years of experience to those in attendance at the event, and his plans for his future at NPS include developing computational tools for nonlinear control and estimation.

"What is the secret to success? One key to success is choosing the right problem at the right time and this involves a lot of luck," said Krener. "Another key is having friends and colleagues that can help you in the needed way at the needed time, and this also involves a lot of luck."